

Title (en)
WELD TEST PLUGS AND METHODS OF USE

Title (de)
SCHWEISSTESTSTECKER UND VERWENDUNGSVERFAHREN

Title (fr)
OBTURATEURS D'ÉPREUVE DE SOUDURE ET PROCÉDÉS D'UTILISATION

Publication
EP 3824268 A1 20210526 (EN)

Application
EP 19838579 A 20190719

Priority
• CA 2019051005 W 20190719
• CA 3012098 A 20180720

Abstract (en)
[origin: WO2020014794A1] A weld test plug has a flange; an actuator rod mounted to the flange, the actuator rod having: a part expander; an annular seal; and an axial stop; in which the actuator rod is connected to, during use, cause the part expander to actuate: the axial stop to move in a radially outward direction relative to the actuator rod; and the annular seal to radially expand and abut the axial stop. A method includes inserting an actuator rod into an open end of a vessel, the actuator rod carrying an annular seal, and an axial stop; sealing the open end of the vessel around the actuator rod; operating the actuator rod to actuate: the axial stop to move in a radially outward direction relative to the actuator rod; and the annular seal to radially expand to abut the axial stop and seal against an inner circumferential surface of the vessel.

IPC 8 full level
G01N 3/02 (2006.01); **G01N 3/12** (2006.01)

CPC (source: EP US)
F16L 55/132 (2013.01 - EP); **G01M 3/022** (2013.01 - EP US); **G01M 3/2815** (2013.01 - EP US); **G01M 3/2884** (2013.01 - EP); **G01N 3/12** (2013.01 - US); **G01N 2203/0296** (2013.01 - EP US); **Y02E 30/30** (2013.01 - EP)

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)
BA ME

DOCDB simple family (publication)
WO 2020014794 A1 20200123; AU 2019304164 A1 20210211; CA 3012098 A1 20200120; CA 3147780 A1 20200123; EP 3824268 A1 20210526; EP 3824268 A4 20220810; US 11719590 B2 20230808; US 2021255054 A1 20210819

DOCDB simple family (application)
CA 2019051005 W 20190719; AU 2019304164 A 20190719; CA 3012098 A 20180720; CA 3147780 A 20190719; EP 19838579 A 20190719; US 201917257577 A 20190719